

ABSTRACT

A damping device comprises first and second inner parts (1, 2), which are designed to assume a united position in which the parts are rotatable in relation to one another in order to assume different reciprocal torsional positions. It also comprises an outer part (6) designed to entirely or partially enclose the inner parts in their united position.

The inner parts comprise sections (1a, 2a), the external surfaces of which extend partially along a circular cross-section through the inner parts. In the said united position the inner parts together with an inner surface of the outer part form first and second spaces of sizes that vary as a function of the torsional positions. The spaces are connected to one another by one or more connections and hydraulic oil (14) is introduced into the spaces, the hydraulic oil being transferable between the spaces via the connections as a function of variations in the sizes of the spaces. The invention also relates to a process and an application in such a damping device.